



I fw

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/849,082
Total Number of Pages in This Submission	4 pages and 16 cited references	Filing Date	May 19, 2004
		First Named Inventor	Piera S. Sun
		Group Art Unit	1642
		Examiner Name	To Be Assigned
		Attorney Docket Number	201040/1091

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> A copy of the Notice to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers <i>(for an Application)</i> <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Declaration and Power of Attorney <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Application Data Sheet <input type="checkbox"/> Request for Corrected Filing Receipt with Enclosures <input checked="" type="checkbox"/> A self-addressed, prepaid postcard for acknowledging receipt <input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i> PTO/SB/08 (2 pages) (in duplicate) Copy of International Search Report 16 cited references
		Remarks
<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees required or credit any overpayments to Deposit Account No. 14-1138 for the above identified docket number.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm <i>or</i> Individual name	Noreen L. Connolly Nixon Peabody LLP Clinton Square, P.O. Box 31051 Rochester, New York 14603-1051 Telephone: (585) 263-1597 Fax: (585) 263-1600	
Signature	<i>Noreen L. Connolly</i>	
Date	<i>July 28, 2005</i>	
	Registration No. 48,987	

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]		
I hereby certify that this correspondence is being:		
<input checked="" type="checkbox"/> deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450		
<input type="checkbox"/> transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) _____.		
<i>7/28/05</i> Date		<u><i>Mary Burke</i></u> Signature Mary Burke Typed or printed name



PATENT
Docket No.: 201040/1091

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) :	Piera S. Sun)	Examiner:
Serial No. :	10/849,082)	To Be Assigned
Cnfrm. No. :	5673)	Art Unit:
Filed :	May 19, 2004)	1642
For :	METHOD FOR DIRECT NUCLEIC ACID UPTAKE)	
)	

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.97-1.98

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR §§ 1.97-1.98, applicants hereby bring to the attention of the United States Patent and Trademark Office, the enclosed references listed on the attached PTO/SB/08 form. References in positions 1, 4, and 15 were cited in an International Search Report (copy enclosed) for the corresponding PCT patent application.

Pursuant to 37 C.F.R. § 1.97(b)(3), no fee is required. If additional fees are required, however, the Commissioner is hereby authorized to charge any fees to Deposit Account No. 14-1138.

Respectfully submitted,

Date: July 28, 2005

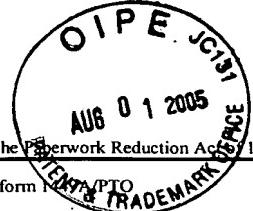
Noreen L. Connolly
Noreen L. Connolly
Registration No. 48,987

NIXON PEABODY LLP
Clinton Square, P.O. Box 31051
Rochester, New York 14603-1051
Telephone: (585) 263-1597
Facsimile: (585) 263-1600

R860775.1

Certificate of Mailing - 37 CFR 1.8(a)	
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below.	
Date	7/28/05 Mary Burke Mary Burke

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form PTO-146A (PTO)
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)

Sheet

1

of

2

Complete if Known

Application Number	10/849,082
Filing Date	May 19, 2004
First Named Inventor	Piera S. Sun
Art Unit	1642
Examiner Name	To Be Assigned
Attorney Docket Number	201040/1091

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
US-					

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
1	1	AWN et al., "Biodegradable Poly(Ethylenimine) for Plasmid DNA Delivery," <i>J. of Controlled Release</i> 80:273-282 (2002)	
2	2	ARENAL et al., "Gene Transfer in Shrimp (<i>Litopenaeus schmitti</i>) by Electroporation of Single-Cell Embryos and Injection of Naked DNA into Adult Muscle," <i>Biotecnologia Aplicada</i> 17:247-250 (2000)	
3	3	BACHERE et al., "Transgenic Crustaceans," <i>World Aquaculture</i> 28(4):51-55 (1997)	
4	4	BOUSSIF et al., "A Versatile Vector for Gene and Oligonucleotide Transfer Into Cell in Culture and In Vivo: Polyethylenimine," <i>Proc. Natl. Acad. Sci. USA</i> 92:7297-7301 (1995)	

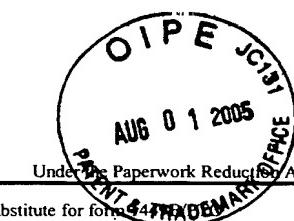
Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.



**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)

				<i>Complete if Known</i>
Substitute for form 147, 5-7-92				Application Number 10/849,082
				Filing Date May 19, 2004
				First Named Inventor Piera S. Sun
				Group Art Unit 1642
				Examiner Name To Be Assigned
Sheet	2	of	2	Attorney Docket Number 201040/1091

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	5	CADORET et al., "Microinjection of Bivalve Eggs: Application in Genetics," <i>Mol. Mar. Biol. Biotechnol.</i> 6:72-77 (1997)	
	6	CARBALLADA et al., "Transfection of Mouse Eggs and Embryos Using DNA Combined to Cationic Liposomes," <i>Mol. Reprod. Dev.</i> 56:360-365 (2000)	
	7	CHONG et al., "Expression and Fate of CAT Reporter Gene Microinjected into Fertilized Medaka (<i>Oryzias latipes</i>) Eggs in the Form of Plasmid DNA, Recombinant Phage Particles and its DNA," <i>Theor. Appl. Genet.</i> 78:369-380 (1989)	
	8	COLLAS et al., "Transferring Foreign Genes into Zebrafish Eggs By Microinjection," In Houdebine, L.M. (ed.) <i>Transgenic Animals- Generation and Use</i> , Harwood Academic Publishers, pp. 119-122 (1997)	
	9	HORBINSKI et al., "Polyethylenimine-Mediated Transfection of Cultured Postmitotic Neurons From Rat Sympathetic Ganglia and Adult Human Retina," <i>BMC Neuroscience</i> 2:2, 8 pgs., February 16, 2001	
	10	MACLEAN et al., "Transgene Transmission and Expression in Rainbow Trout and Tilapia," <i>Mol. Mar. Biol. Biotechnol.</i> 1:355-365 (1992)	
	11	MIALHE et al., "Future of Biotechnology-Based Control of Disease in Marine Invertebrates," <i>Mol. Mar. Biol. Biotechnol.</i> 4(4):275-283 (1995)	
	12	PENMAN et al., "Factors Effecting Survival and Integration Following Micro-Injection of Novel DNA in Rainbow Trout Eggs," <i>Aquaculture</i> 85:35-50 (1990)	
	13	PRESTON et al., "Delivery of DNA to Early Embryos of the Kuruma Prawn, <i>Penaeus japonicus</i> ," <i>Aquaculture</i> 181:225-234 (2000)	
	14	REMY et al., "Gene-Transfer with Lipospermines and Polyethylenimines," <i>Adv. Drug Delivery Rev.</i> 30:85-95 (1998)	
	15	TSENG et al., "Introducing Foreign DNA Into Tiger Shrimp (<i>Penaeus monodon</i>) by Electroporation," <i>Theriogenology</i> 54:1421-1432 (2000)	
	16	WALL, R.J., "New Gene Transfer Methods," <i>Theriogenology</i> 57:189-201 (2002)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.